

Makita

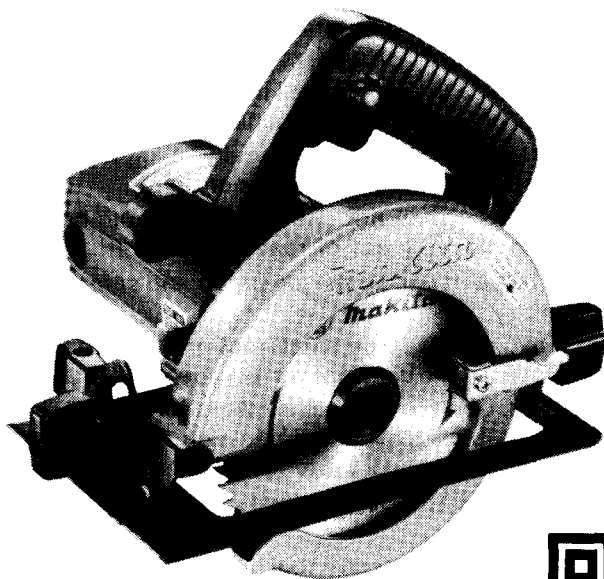
アメリカ

Circular Saw

140 mm (5-1/2") MODEL 5005BA

Equipped with Electric Blade Brake

INSTRUCTION MANUAL



**DOUBLE
INSULATION**

SPECIFICATIONS

Blade diameter	Max. cutting depth		No load speed	Overall length	Net weight
	0°	45°			
140 mm (5-1/2")	45 mm (1-3/4")	31 mm (1-3/16")	8,000 R/min.	249 mm (9-13/16")	3.1 kg (7 lbs)

* Manufacturer reserves the right to change specifications without notice.

* Note: Specifications may differ from country to country.

IMPORTANT SAFETY INSTRUCTIONS

(For All Tools)

WARNING: WHEN USING ELECTRIC TOOLS, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, AND PERSONAL INJURY, INCLUDING THE FOLLOWING:

READ ALL INSTRUCTIONS.

1. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite injuries.
2. **CONSIDER WORK AREA ENVIRONMENT.** Don't use power tools in damp or wet locations. Keep work area well lit. Don't expose power tools to rain. Don't use tool in presence of flammable liquids or gases.
3. **KEEP CHILDREN AWAY.** All visitors should be kept away from work area. Don't let visitors contact tool or extension cord.
4. **STORE IDLE TOOLS.** When not in use, tools should be stored in dry, and high or locked-up place — out of reach of children.
5. **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was intended.
6. **USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use tool for purpose not intended.
7. **DRESS PROPERLY.** Don't wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
8. **USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty.
9. **DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
10. **SECURE WORK.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
11. **DON'T OVERREACH.** Keep proper footing and balance at all times.
12. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean, and free from oil and grease.
13. **DISCONNECT TOOLS.** When not in use, before servicing, and when changing accessories, such as blades, bits, cutters.

14. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
15. **AVOID UNINTENTIONAL STARTING.** Don't carry plugged-in tool with finger on switch. Be sure switch is OFF when plugging in.
16. **OUTDOOR USE EXTENSION CORDS.** When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
17. **STAY ALERT.** Watch what you are doing, use common sense. Don't operate tool when you are tired.
18. **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Don't use tool if switch does not turn it on and off.
19. **GUARD AGAINST ELECTRIC SHOCK.** Prevent body contact with grounded surfaces. For example; pipes, radiators, ranges, refrigerator enclosures.
20. **REPLACEMENT PARTS.** When servicing, use only identical replacement parts.
21. **POLARIZED PLUGS.** To reduce the risk of electric shock, this equipment has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

VOLTAGE WARNING: Before connecting the tool to a power source (receptacle, outlet, etc.) be sure the voltage supplied is the same as that specified on the nameplate of the tool. A power source with voltage greater than that specified for the tool can result in **SERIOUS INJURY** to the user — as well as damage to the tool. If in doubt, **DO NOT PLUG IN THE TOOL.** Using a power source with voltage less than the nameplate rating is harmful to the motor.

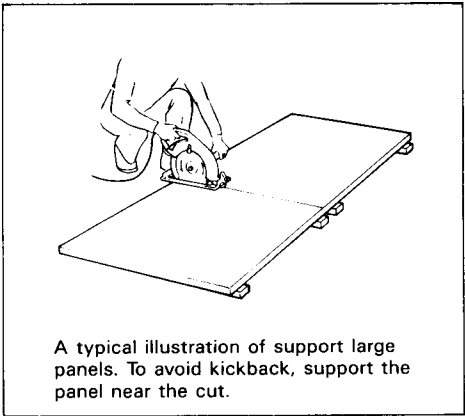
Use Of Extension Cord

If the extension cord is intended to be used outdoors, the cord shall be marked with the suffix W-A following the cord type designation, for example — SJTW-A, to indicate it is acceptable for outdoor use. Use an extension cord heavy enough to carry the current the tool will draw. Undersize cord will cause a drop in line voltage resulting in loss of power and over-heating. Make sure the extension cord is in good condition before using. Use the table below to determine the proper wire size required in the extension cord.

Ampere rating (on nameplate)	0 — 2.00	2.10 — 3.40	3.50 — 5.00	5.10 — 7.00	7.10 — 12.00	12.10 — 16.00
Ext. Cable Length	Wire Size (American Wire Gauge)					
25 Ft.	18	18	18	18	16	14
50 Ft.	18	18	18	16	14	12
75 Ft.	18	18	16	14	12	10
100 Ft.	18	16	14	12	10	—
150 Ft.	16	14	12	12	—	—

ADDITIONAL SAFETY RULES

- 1. Keep Guards In Place and In Working Order.
Never wedge or tie lower guard open. Check operation of lower guard before each use. Don't use if lower guard does not close briskly over saw blade. CAUTION: If saw is dropped, lower guard may be bent, restricting full return.
- 2. Keep Blades Clean and Sharp.
Sharp blades minimize stalling and kickback.
- 3. DANGER: Keep Hands Away From Cutting Area.
Keep hands away from blades. Don't reach underneath work while blade is rotating. Don't attempt to remove cut material when blade is moving. CAUTION: Blades coast after turn off.
- 4. Support Large Panels.
Large panels must be supported as shown in Fig. 1 to minimize the risk of blade pinching and kickback.
When cutting operation requires the resting of the saw on the work piece, the saw shall be rested on the larger portion and the smaller piece cut off.



A typical illustration of support large panels. To avoid kickback, support the panel near the cut.

Fig. 1

5. **Use Rip Fence.**
Always use a fence or straight edge guide when ripping.
6. **Guard Against Kickback.**
Kickback occurs when the saw stalls rapidly and is driven back towards the operator. Release switch immediately if blade binds or saw stalls. Keep blades sharp. Support large panels as shown in Fig. 1. Use fence or straight edge guide when ripping. Don't force tool. Stay alert exercise control. Don't remove saw from work during a cut while the blade is moving.
7. **Lower Guard.** Raise lower guard with the retracting handle.
8. **Adjustments.** Before cutting be sure depth and bevel adjustments are tight.
9. **Use Only Correct Blades In Mounting.** Don't use blades with incorrect size holes. Never use defective or incorrect blade washers or bolts.
10. **Avoid Cutting Nails.** Inspect for and remove all nails from lumber before cutting.
11. **When operating the saw, keep the cord away from the cutting area and position it so that it will not be caught on the workpiece during the cutting operation.**
Operate with proper hand support, proper work support, and supply cord routing away from the work area.

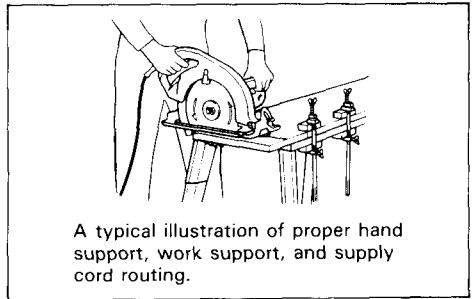


Fig. 2

WARNING: It is important to support the work properly and to hold the saw firmly to prevent loss of control which could cause personal injury. Fig. 2 illustrates typical hand support of the saw.

12. **Never attempt to saw with the circular saw held upside down in a vise. This is extremely dangerous and can lead to serious accidents.**

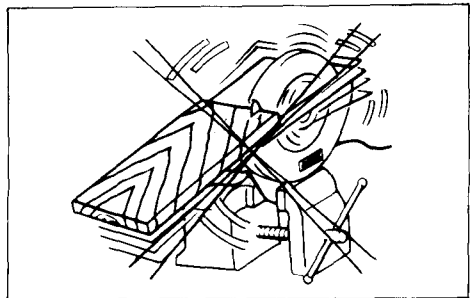


Fig. 3

13. **Before setting the tool down after completing a cut, be sure that the lower (telescoping) guard has closed and the blade has come to a complete stop.**

SAVE THESE INSTRUCTIONS.

HOW TO USE

Replacing blade

- To remove the blade, push the shaft lock so that the blade cannot revolve. Then loosen the hex. bolt with the socket wrench. Next, remove the outer flange and with the safety guard retracted fully, take the blade off the shaft.
- Install the blade following the removal procedure in reverse. The order of installation should be: inner flange, saw blade, outer flange, hex bolt. Tighten the hex bolt securely. Be sure the blade is installed with teeth pointing up at the front of the tool.

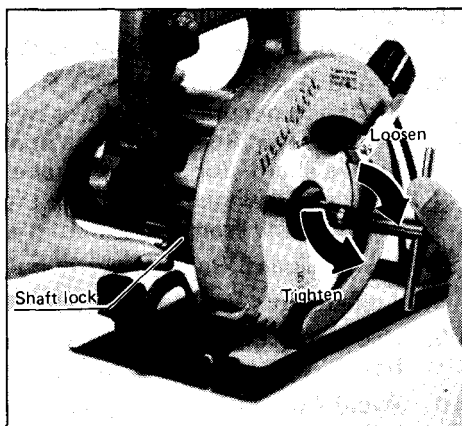


Fig. 4

CAUTION:

Use only the Makita socket wrench to secure the hex bolt on the blade.

Adjusting cutting depth

Loosen the wing nut. Now the base may be moved up or down. At a desired position, secure the base by tightening the wing nut.

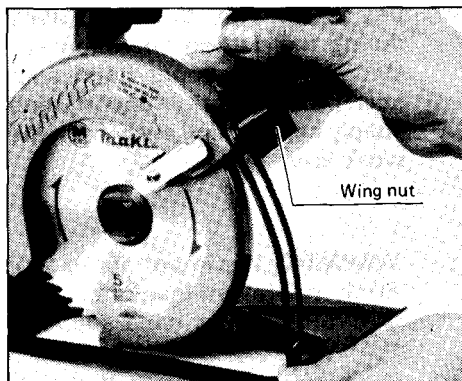


Fig. 5

Bevel cutting

Loosen the wing nut on the bevel scale plate on base front. Set for a desired angle ($0^{\circ} - 45^{\circ}$) by tilting accordingly, then tighten the wing nut firmly.

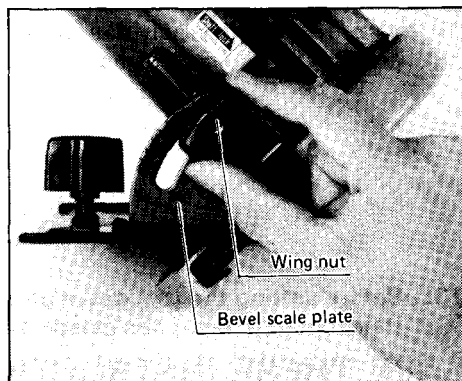


Fig. 6

Sighting

The front edge of the base is slotted to provide sighting points. For 0° cuts, align the right slot with your cutting line on the workpiece.

For 45° bevel cuts, align the left slot with it.

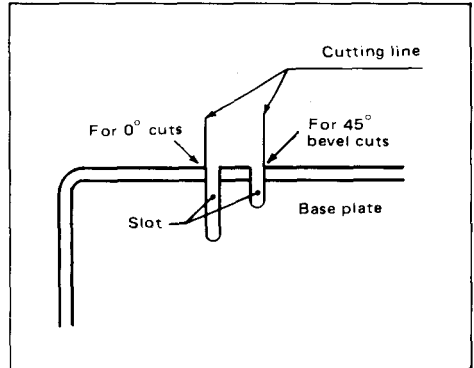


Fig. 7

Switch action

To prevent the trigger from being accidentally pulled, a lock-off button is provided as a safety feature.

To start the tool, press in the lock-off button and pull the trigger. Release the trigger to stop.

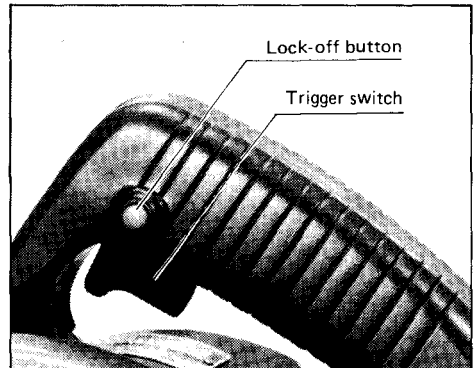


Fig. 8

CAUTION:

- Before plugging in the tool, always check to see that the trigger switch actuates properly and returns to the "OFF" position when released.
- Do not leave the tool running. Operate the tool only when hand-held.

Operation

Set the base plate on the workpiece to be cut without the blade making any contact. Then turn the tool on. Now simply move the tool forward over the workpiece surface, keeping it flat and advancing smoothly until the sawing is completed. To get clean cuts, keep your sawing line straight and your speed of advance uniform. Hold the tool firmly by grasping the handle with your right hand and the front knob with your left hand.

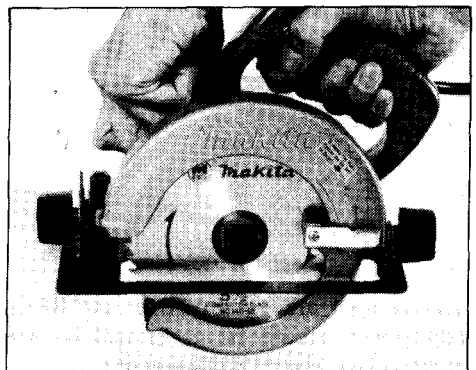


Fig. 9

MAINTENANCE

CAUTION:

Always be sure that the tool is switched off and unplugged before attempting to perform inspection and maintenance.

Replacing carbon brushes

Remove and check the carbon brushes regularly. Replace when they wear down to about 6 mm (1/4") or less. Keep the brushes clean and free to slip in the holders. Both brushes should be changed at the same time. Use only Makita carbon brushes.

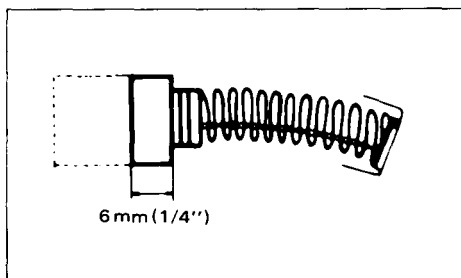


Fig. 10

Use a screwdriver to remove the brush holder cap as shown in the figure.

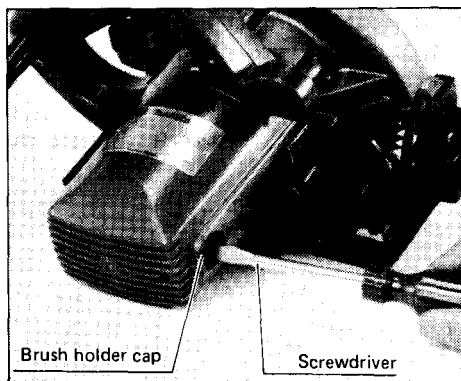


Fig. 11

Take out the worn brush, insert the new one and secure the brush holder cap.

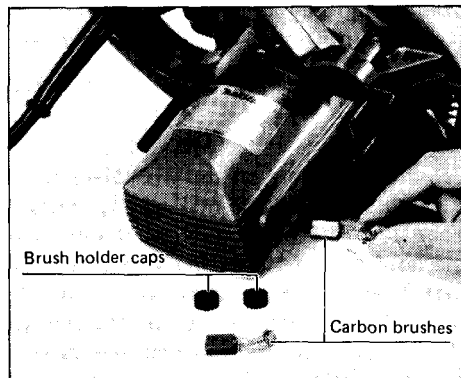


Fig. 12

To maintain product SAFETY and RELIABILITY, repairs, any other maintenance and adjustment should be performed by Makita Authorized or Factory Service Centers, always using Makita replacement parts.

ACCESSORIES

CAUTION:

These accessories or attachments are recommended for use with your Makita tool specified in this manual. The use of any other accessories or attachments might present a risk of injury to persons. The accessories or attachments should be used only in the proper and intended manner.

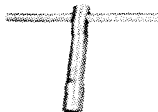
• Guide rule

(Part No. 164095-8)



• Socket wrench 9

(Part No. 782209-3)



• Saw blades

Combination saw blade

For rip and cross-cut work.
Has fewer teeth than cross-cut blade for faster cutting.



Part No.	Diameter (mm)	Hole diameter (mm)	No. teeth
792334-2	140 (5-1/2")	15.88 (5/8")	50

Cross-cut saw blade

For smoother cross-grain cuts.
Makes smoother cuts than combination blades.



792333-4	140 (5-1/2")	15.88 (5/8")	70
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Plywood saw blade

For smooth splinter-free
cutting of plywood and
other laminates.



792332-6	140 (5-1/2")	15.88 (5/8")	120
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Chisel tooth combination saw blade

For rip and cross-cut work.
Most frequently used for
general carpentry.



792331-8	140 (5-1/2")	15.88 (5/8")	24
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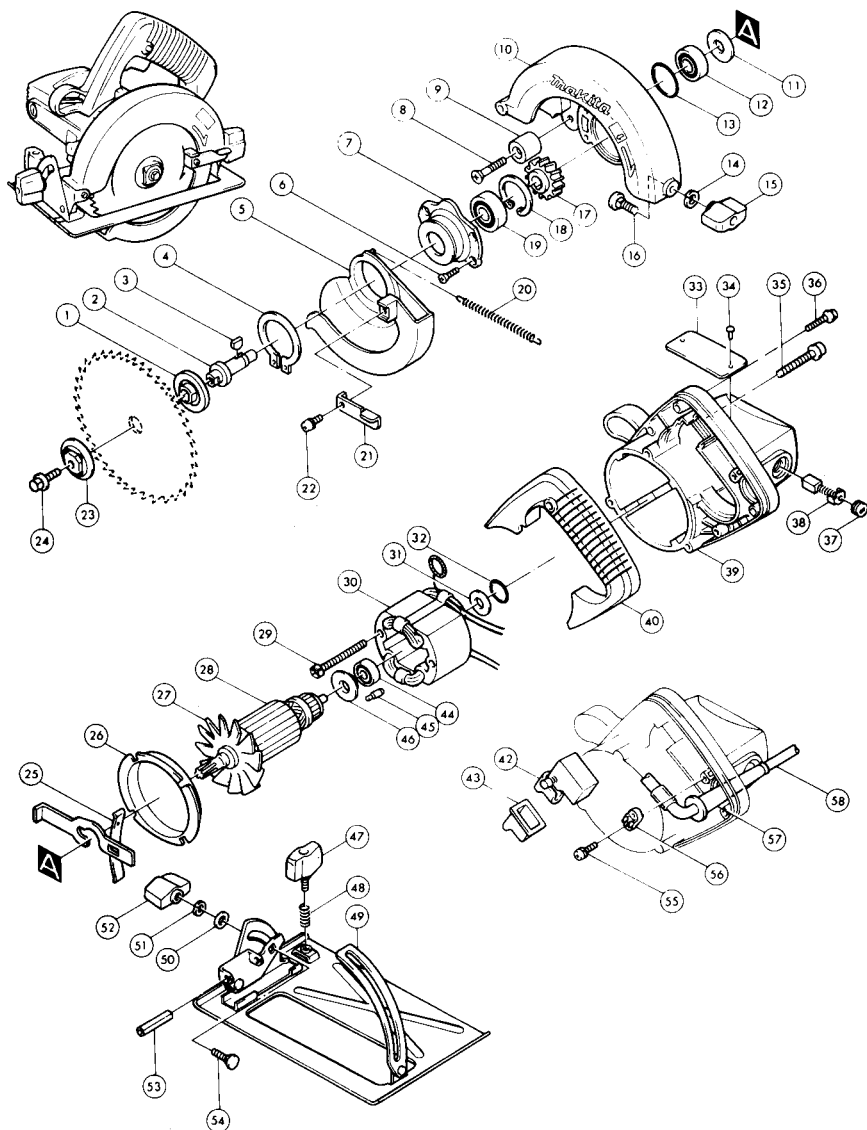
Carbide-tipped saw blade

Faster, smoother, longer
sawing without blade
sharpening.
Cuts wood, dry wall,
plastics, hard wood, etc.



792335-0	140 (5-1/2")	15.88 (5/8")	18
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140 mm (5-1/2") CIRCULAR SAW Model 5005BA



Note: The switch and other part configurations may differ from country to country.

ITEM NO.	NO. USED	DESCRIPTION	ITEM NO.	NO. USED	DESCRIPTION
MACHINE			MACHINE		
1	1	Inner Flange 34	30	1	FIELD ASSEMBLY
2	1	Spindle	31	1	Flat Washer 14
3	1	Woodruff Key 4	32	1	O Ring 18
4	1	Retaining Ring S-38	33	1	Name Plate
5	1	Safety Cover	34	2	Rivet 0-5
6	4	Countersunk Head Screw M4x14	35	3	Pan Head Screw M5x40 (With Washer)
7	1	Bearing Box	36	4	Pan Head Screw M4x25 (With Washer)
8	1	+ Countersunk Head Screw M6x28	37	2	Brush Holder Cap
9	1	Rubber Sleeve 6	38	2	Carbon Brush
10	1	Blade Case	39	1	Motor Housing
11	1	Flat Washer 12	40	1	Handle Cover
12	1	Ball Bearing 6001LLB	42	1	Switch
13	1	O Ring 28	43	1	Switch Cover
14	1	Spring Washer 6	44	1	Ball Bearing 608LLB
15	1	Wing Nut M6	45	1	Rubber Pin 4
16	1	Cap Square Neck Bolt M6x20	46	1	Insulation Washer
17	1	Helical Gear 44	47	1	Screw M6x15
18	1	Retaining Ring R-32	48	1	Compression Spring 7
19	1	Ball Bearing 6201LLB	49	1	Base
20	1	Tension Spring 4	50	1	Flat Washer 6
21	1	Lever	51	1	Spring Washer 6
22	1	Pan Head Screw M4x10 (With Washer)	52	1	Wing Nut M6
23	1	Outer Flange 34	53	1	Spring Pin 6-40
24	1	Hex. Flange Head Bolt M6x17	54	1	Cap Square Neck Bolt M6x20
25	1	Shaft Lock	55	2	Pan Head Screw M4x18 (With Washer)
26	1	Baffle Plate	56	1	Strain Relief
27	1	Fan 70	57	1	Cord Guard
28	1	ARMATURE ASSEMBLY	58	1	CORD ASSEMBLY
		(With Item 11, 12, 27, 28, 44 & 46)			(Assembled Cord, Plug & Item 57)
29	2	+ Hex. Bolt M5x60 (With Washer)			

Note: The switch and other part specifications may differ from country to country.



MAKITA LIMITED ONE YEAR WARRANTY

Warranty Policy

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one-year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers. If inspection shows the trouble is caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge.

This Warranty does not apply where:

- repairs have been made or attempted by others;
- repairs are required because of normal wear and tear;
- The tool has been abused, misused or improperly maintained;
- alterations have been made to the tool.

IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.

MAKITA DISCLAIMS LIABILITY FOR ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF "MERCHANTABILITY" AND "FITNESS FOR A SPECIFIC PURPOSE," AFTER THE ONE-YEAR TERM OF THIS WARRANTY.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

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